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FEDERAL - STATE COOPERATIVE

SNOW SURVEYS AND IRRIGATION WATER FORECASTS
for

Montana and Northern Wyoming Upper Missouri, Upper Columbia and Yellowstone Rivers

By
Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
and
Montana Agricultural Experiment Station

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FEDERAL-STATE COOPERATIVE SNOW SURVEYS

AND

IRRIGATION WATER FORECASTS

FOR

MONTANA and NORTHERN WYOMING

Upper Missouri and Upper Columbia River Basins

Report Prepared
by

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Division of Irrigation
Soil Conservation Service

and

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Bozeman, Montana

IRRIGATION WATER SUPPLY OUTLOOK
FOR SEASON 1952
AS OF MARCH 1, 1952

Snow Surveys conducted over the Upper Missouri and Upper Columbia River Basins, on or about March 1, 1952, indicate a GOOD water supply for irrigation during the coming season. The Upper Columbia Basin is still considerably above average. With average accumulation of snow during March, both basins should be well above average by April 1.

Once again, the possibility of a flood hazard exists on the Columbia, depending entirely upon the temperature and precipitation distribution during the snowmelt season. There is more water stored in the snowpack now than on April 1, 1948.

The Wind River on the Lower Yellowstone in Wyoming is below average as reported in February. The Popo Agie River is above average.

Reservoir storage throughout Montana and Northern Wyoming is satisfactory for this time of year. However, reservoirs on the Wind River and the Sun River in Montana should be watched for shortages of water supply.

JEFFERSON RIVER: March 1 snow surveys on the Jefferson River indicate a GOOD water supply for this season. In general, not as good as last year but slightly better than average for the past five years. Some areas will have to depend on summer rains to some extent. The Red Rock Creek area is in excellent shape. The Ruby River Basin should yield a good supply with a fine cover of low elevation snow. The Horse Prarie and Big Hole areas are lower than the other two, but still have a good supply of water in storage in the snowpack.

MADISON RIVER: Snow surveys at Hebgen, West Yellowstone and 21-Mile courses indicate an excellent water supply to come from this stream. Yellowstone Park snow survey courses indicate an abundant supply from that area.

GALLATIN RIVER: The four snow survey courses reflecting the spring runoff from this basin show extremely high water contents. Higher than last year, and higher than the past five years. The usual late summer shortage will be felt because of lack of storage up stream.

MISSOURI MAIN STEM: The main stem of the Missouri below Three Forks will carry an excellent supply of water. Snow surveys in the headwaters are good, and those measurements on tributaries downstream are high, except the Sun and Teton. The Big Belt and Snowie Mountains have a fine snowpack this season--considerably above average.

SUN AND TETON RIVERS: Snow surveys made on these two stream basins, on or about the first of March, indicate a shortage of water content below the average, or about 90% average on the Sun, and 80% average on the Teton. Snow accumulations during March should be watched and storage precautions should be taken to insure an ample supply of irrigation water during the summer months.

UPPER YELLOWSTONE RIVER: Snow surveys made through Yellowstone Park at Canyon, Cook City, Lake and Mammoth indicate an excellent water supply stored in the snowpack in this area. The courses average about 147% average--all higher than the past 4 years. The Shields River Basin has a good supply of snow water to come and a good supply of low elevation snow for this time of year.

LOWER YELLOWSTONE RIVER (WYOMING): The Popo Agie River at the extreme southern portion of the basin has an excellent supply of snow water averaging about 150% average. The Wind River, just to the north and west of Riverton, is short of water this season. This basin did not recover from the shortage reported in February and snow accumulations should be watched rather closely during March. This basin is about 79% average. Preliminary plans should be made to increase storage shortly after April 1, if precipitation is short during March. The Owl Creek and Grey Bull Creek areas are a little short this season, as indicated by the March 1 snow surveys. Owl Creek runs about 90% average and Grey Bull Creek about 97% average, from the short records available. The Shoshone River, above Buffalo Bill, is in good shape with about 120% average indicated by the two snow survey courses. On the Tongue and Powder Rivers, only a few courses are available for comparison, and from these data it would appear that there is a good water supply to come from these two basins; about 105% average.

COLUMBIA RIVER BASIN: (in Montana) The Flathead River Basin has a good supply of snow for this coming season as indicated by the March 1 snow surveys. Although somewhat spotted in its' percentages above average, the snowpack in general is about 106% average. This is not as large as last season. The Clark Fork River is a little higher in percent of average for the first of March, running about 140% average. Only one snow survey course was measured on the Bitterroot River at Gibbons Pass, which showed 144% average.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
H. H. Bennett, Chief

DIVISION OF RESEARCH
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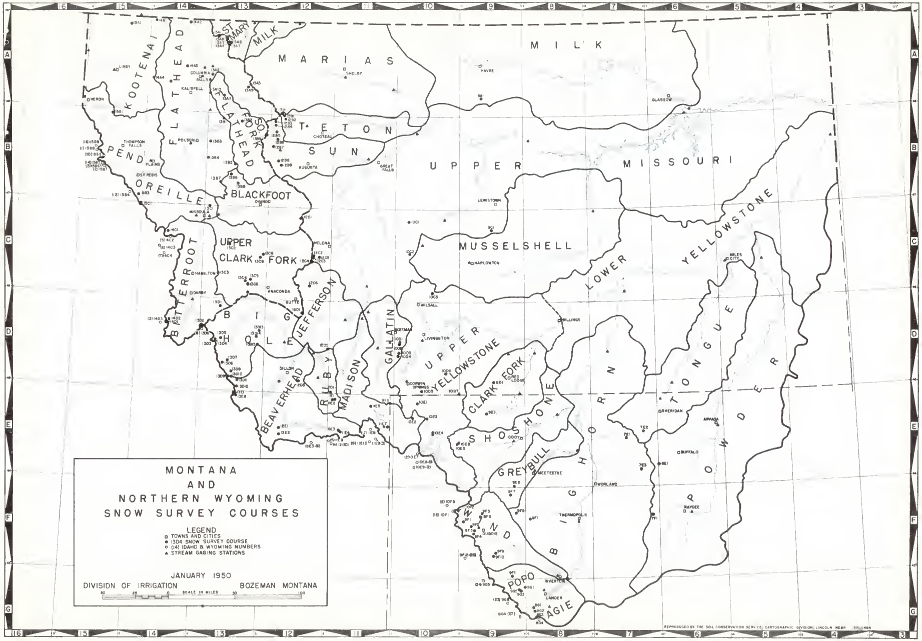

MONTANA
AND
NORTHERN WYOMING
SNOW SURVEY COURSES

LEGEND
- □ TOWNS AND CITIES
- ● 1304 SNOW SURVEY COURSE
- ○ (14) IDAHO & WYOMING NUMBERS
- ▲ STREAM GAGING STATIONS

JANUARY 1950

DIVISION OF IRRIGATION BOZEMAN MONTANA

SCALE IN MILES 50 25 0 50 100

REPRODUCED BY THE SOIL CONSERVATION SERVICE CARTOGRAPHIC DIVISION LINCOLN NEBR 5R 11484

INDEX TO MONTANA & NORTHERN WYOMING SNOW COURSES

MISSOURI RIVER DRAINAGE

Drainage Basin and Course Name	Montana Number	Elev.	Location Sec. Lat.	Location Twp.	Location Range Long.	Record Began	Measuring Dates[a]	Measured By:[b]
JEFFERSON RIVER								
(ROCK-BEAVERHEAD)								
Lakeview Ridge	11E3	7400	27	14S	2W	1948	3,4,5	9
Lakeview Canyon	11E4	6930	26	14S	2W	1948	3,4,5	9
Limekiln	12E2	6950	5	15S	9W	1948	3,4	1
White Pine Ridge	12E1	8850	18	14S	9W	1948	3,4	1
(HORSE PRAIRIE)								
Bloody Dick	13D16	7600	12	8S	16W	1948	3,4	1
Cold Stone	13D9	8100	11	8S	16W	1948	3,4	1
Lemhi Pass	13E1	7480	9	10S	15W	1948	3,4	1
Terrell Creek	13D12	6650	14	9S	15W	1948	3,4	1
Trail Creek	13E2	7090	15	10S	15W	1948	3,4	1
Selway Junction	13D11	6800	27	8S	15W	1948	3,4	1
(BIG HOLE)								
Big Hole Pass	13D3	7440	28	3S	18W	1948	3,4	1
Big Hole Pass (Below)	13D4	6900	24	3S	18W	1948	3,4	1
East Boundary	13D5	6700	22	3S	17W	1948	3,4	1
Gibbons Pass	13D2	7100	4	2S	19W	1934	2,3,4,5	1,2
Jahnke Creek	13D8	7340	25	7S	16W	1948	3,4	1
Miner Forks	13D6	7300	24	6S	17W	1948	3,4	1
Miner Lake	13D7	6720	10	6S	16W	1945	3,4,5	1
(WISE RIVER)								
Anderson Mdw.	13D14	7000	18	3S	12W	1948	3,4	1
Elk Horn	13D15	8450	15	4S	12W	1934	3,4,5	2
Wise River	13D13	6300	15	2S	12W	1948	3,4	1
(RUBY RIVER)								
Cottonwood	11E2	5900	24	10S	3W	1948	3,4	1
Cottonwood (Upper)	11E1	8400	30	10S	2W	1948	3,4	1
Fleshlight	12D3	6950	12	8S	7W	1945	3,4,5	1
Tobacco Root	12D2	5900	13	4S	3W	1948	3,4	1
Vigilante	11D1	6125	28	9S	3W	1948	3,4	1
MADISON RIVER								
Hebgen	11C5	6550	22	11S	3E	1934	1,2,3,4,5	2
West Yellowstone	11F1	6700	34	13S	5E	1934	1,2,3,4,5	2
Norris Basin	10E2	7500	44°-44'		110°-42'	1935	3,4	5,6
GALLATIN RIVER								
Devil's Slide	10D4	8100	14	5S	6E	1935	3,4,5	2,6
Wood Meadow	10D3	6600	22	4S	6E	1934	3,4,5	2,6
Mystic Lake	10D2	6600	30	3S	7E	1935	2,3,4	6,7
New World	10D1	6700	24	3S	6E	1939	2,3,4,5	6,7
21-Mile	11E6	7150	1	11S	5E	1934	1,2,3,4,5	2
MISSOURI RIVER MAIN STEM								
Chessman Reservoir	12C5	6200	2	8N	5W	1936	1,2,3,4,5	2
Crystal Lake	9C1	6100	24	12N	17E	1941	3,4	1
Grasshopper	10C2	7000	19	9N	8E	1938	3,4	1
Kings Hill	10C1	7950	35	13N	7E	1937	3,4,5	2
Picnic Grounds	12C6	6500	22	5N	6W	1940	2,3,4	3
Pipestone Pass	12D1	7200	11	1N	7W	1938	2,3,4,5	1
Stemple Pass	12C1	6900	16	13N	7W	1934	3,4,5	2
Ten Mile Creek, Lower	12C2	6250	13	8N	6W	1935	1,2,3,4,5	2
Ten Mile Creek, Middle	12C3	6800	13	8N	6W	1934	1,2,3,4,5	2
Ten Mile Creek, Upper	12C4	8000	19	8N	5W	1935	1,2,3,4,5	2
(TETON RIVER)								
Freight Creek	12A1	6000	13	26N	10W	1948	3,4	1
Waldron Creek	12B2	5600	16	25N	9W	1948	3,4	1
West Fork	12B1	6000	6	25N	9W	1948	3,4	1
(SUN RIVER)								
Bench Mark	12B8	5500	9	20N	10W	1948	3,4	1
Cabin Creek	12B6	5400	33	23N	10W	1949	3,4	1
5-Bull	12B9	5600	36	20N	10W	1948	3,4	1
Gates Park	12B5	5300	31	24N	10W	1949	3,4	1
Goat Mountain	12B7	7000	20	22N	10W	1934	3,4	2
My Lake	13B9	7300	21	23N	12W	1950	3,4	1
Wrong Creek Ridge	12B3	6800	17	25N	10W	1949	3,4	1
Wrong Creek	12B4	5700	32	25N	10W	1949	3,4	1
(MARIAS RIVER)								
Marias Pass	13A5	5250	34	30N	14W	1936	1,2,3,4,5	2
Snow Lab. #16	13A9	5200	15	29N	14W	1947	1,2,3,4,5	2
(MILK RIVER)								
Rocky Boy	9A1	5200	15	28N	16E	1941	3,4	7
(MUSSELSHELL RIVER)								
Grasshopper	10C3	7000	19	9N	8E	1938	3,4	1
(UPPER YELLOWSTONE)								
Camp Senia	9D1	7890	2	8S	18E	1037	4	1
Canyon	10E3	7750	44°-44'		110°-30'	1938	1,2,3,4,5	12
Cooke City	10D7	7400	25	9S	14E	1937	1,2,3,4,5	5
Crevice Mt.	10D5	8400	29	9S	9E	1935	3,4	1
Independence	10D6	8000	22	7S	12E	1941	3,4	12
Lake Camp	10E4	7850	44°-34'		110°-24'	1937	1,2,3,4,5	12
Lupine Creek	10E1	7300	44°-54'		110°-37'	1938	1,2,3,4,5	5
(SHIELDS RIVER)								
Porcupine	10C3	6500	10	4N	10E	1938	3,4	1
LOWER YELLOWSTONE								
(Wind River) Wyoming								
Brooks Lake #3	10F2	9200	23	44N	110W	1939	2,3,4,5	12
Burroughs Creek	9F6	8800	15	43N	107W	1948	2,3,4,5	12
Dinwoodie	9F10	10000	9	38N	105W	1948	2,3,4,5	12
Dry Creek	9F9	9500	34	4N	105W	1948	2,3,4,5	12
DuNoir	9F2	8750	27	42N	108W	1940	2,3,4,5	12
Geyser Creek	9F3	8500	12	41N	108W	1948	2,3,4,5	12
Hobbs Park	9G2	10000	22	2S	3W	1948	2,3,4,5	12
Little Warm	9F4	9500	24	41N	108W	1948	2,3,4,5	12
Mosquito Park R.S.	9G3	9500	23	2S	3W	1940	2,3,4,5	12
Sheridan R.S.	9F1	7500	3	42N	109W	1939	2,3,4,5	12
St. Lawrence R.S.	9F11	9000	26	1N	4W	1940	2,3,4,5	12
T-Cross Ranch	9F5	8000	1	43N	107W	1940	2,3,4,5	12
Trout Creek	9G1	8400	5	2S	2W	1948	2,3,4,5	12
Togwotee Pass	10F1	9600	29	44N	110W	1936	2,3,4,5	10
(Popo Agie River) Wyoming								
Blue Ridge	8G2	9500	23	31N	101W	1939	2,3,4,5	12
Grannier Meadows	8G4	9000	19	30N	100W	1936	2,3,4,5	12
Larsen Creek	9G4	9000	12	30N	103W	1948	3,4,5	12
Sawmill Glade	8G1	8500	3	31N	101W	1939	2,3,4,5	12
South Pass	8G3	9000	13	30N	101W	1939	2,3,4,5	12

MISSOURI RIVER DRAINAGE CONT.

Drainage Basin and Course Name	Montana Number	Elev.	Location Sec. Lat.	Location Twp.	Location Range Long.	Record Began	Measuring Dates[a]	Measured By:[b]
BIG HORN RIVER Wyoming								
Beavers Mill	9F8	8900	6	43N	102W	1948	2,3,4,5	12
Owl Creek	8F1	8700	36	43N	101W	1948	2,3,4,5	12
Tensleep R.S.	7E3	8300	30	49N	86W	1935	4,5	1
Timber Creek	9E2	8800	25	47N	103W	1948	4,5	12
Ranger Creek	7E1	8800	32	53N	88W	1935	4,5	1
Wood River	9F7	8000	28	46N	103W	1939	2,3,4,5	12
(SHOSHONE RIVER) Wyoming								
East Entrance	10E6	7000	17	52N	109W	1948	1,2,3,4,5	5
Sylvan Pass	10E5	7100	12	52N	110W	1936	1,2,3,4,5	5
TONGUE RIVER Wyoming								
Big Goose	7E2	7700	4	53N	86W	1935	2,3,4,5	1
Burgess Ranger Sta.	7E4	7900	36	56N	89W	1950	2,3,4,5	12
Dome Lake	7E5	8800	11	53N	87W	1950	2,3,4,5	12
Lodgepole	9E1	82 0	32	56N	106W	1940	4,5	1
POWDER RIVER								
North Powder	7E8	8500	5	47N	85W	1951	2,3,4,5	12
Muddy Pass	7E7	9700	11	48N	85W	1950	2,3,4,5	1
Soldier Park	7E6	8700	36	51N	85W	1950	2,3,4,5	12
Sour Dough	6E1	8500	17	49N	84W	1936	2,3,4,5	1
Red Fork	7E1	7000	18	43N	85W	1936	2,3,4,5	12

COLUMBIA RIVER BASIN

Drainage Basin and Course Name	Montana Number	Elev.	Location Sec. Lat.	Location Twp.	Location Range Long.	Record Began	Measuring Dates[a]	Measured By:[b]
KOOTENAI RIVER								
Baree Mountain	15B1	6000	1	25N	31W	1937	4,5	1
Blue Bird Basin	14A1	6800	24	37N	26W	1937	4,5	1
Red Mountain	15A1	6000	4	36N	29W	1937	3,4,5	1
FLATHEAD RIVER								
Basin Creek	13B14	5000	11	19N	12W	1951	2,3,4,5	1
Big Creek	13B3	6750	6&7	22N	18W	1941	3,4,5	4
Brush Creek	14A4	5000	13	30N	26W	1937	3,4,5	1
Cattle Queen	13A1	4700	7	35N	17W	1939	3,4,5	5
Desert Mountain	13A2	5600	24	31N	19W	1937	1,2,3,4,5	1
HellRoaring Divide	14A3	5770	35	32N	22W	1942	3,4,5	1
Hulbrook	13B13	4530	18	21N	13W	1951	2,3,4,5	1
Kishenehn	14A2	4300	7	37N	21W	1946	4,5	5
Limestone Pass	13B8	7000	28	18N	12W	1948	3,4,5	1
Logan Creek	14A5	4300	34	30N	24W	1937	3,4,5	1
Marias Pass	13A5	5250	340	30N	14W	1934	1,2,3,4,5	2
Snow Lab. #16	13A9	5200	15	29N	14W	1946	1,2,3,4,5	2
Spotted Bear Mt.	13B2	7000	23	25N	15W	1948	3,4,5	1
Strawberry Lake	13B10	6500	11	28N	19W	1948	3,4,5	1
Trinkus Lake	13B1	6500	9	25N	17W	1948	3,4,5	1
Trout Lake #2	13B12	3600	21	28N	17W	1948	3,4,5	1
Upper Holland Lake	13B5	7000	28	20N	16W	1948	3,4,5	1
Twin Creeks	13B11	3580	14	26N	16W	1951	2,3,4,5	1
Quintonkon	13B13	3800	11	26N	17W	1951	2,3,4,5	1
UPPER CLARK FORK								
El Dorado Mine	13C9	7800	23	8N	12W	1946	4	11
Gold Creek Lake	13C8	7200	14	8N	12W	1946	4	11
Intergaard	13C4	6550	6	5N	13W	1939	2,3,4	3
North Fork Jocko	13B7	6330	3	17N	17W	1941	3,4,5	4
Picnic Grounds	12C6	6500	22	5N	6W	1940	2,3,4	3
Pipestone Pass	12D1	7200	11	1N	7W	1938	2,3,4,5	1
Rainy Lake	13B6	4300	11	18N	16W	1947	3,4,5	1
Slide Rock Mountain	13C2	7100	26	10N	16W	1937	4	1
Southern Cross	13C5	6500	9	5N	13W	1939	2,3,4	3
Stemple Pass	13C1	6900	16	13N	7W	1934	3,4,5	2
Storm Lake No. 2	12C7	7780	19	4N	13W	1939	4	1
Stuart Mill	13C6	6500	19	5N	13W	1939	2,3,4	3
Stuart Mountain #1	13C1	7400	6	14N	18W	1936	4	1
Coyote Hill	13B10	4200	12	18N	16W	1951	3,4,5	1
PEND OREILLE RIVER								
Baree Mountain	13B1	6000	1	25N	31W	1937	4,5	1
Freezeout Submit #2	15C10	6800	21	15N	27W	1952	4	1
Hoodoo Creek	13C1	6200	9&16	14N	27W	1937	4	1
BITTERROOT RIVER								
East Fork Ranger Stn.	13D1	5400	16	2N	17W	1937	4	1
Gibbons Pass	13D2	7100	4	2S	19W	1934	2,3,4,5	1
Mud Creek Pasture	14C1	4500	24	11N	21W	1937	3	1
Nesperse Camp	14D2	5580	19&20	1S	23W	1937	4	1
Nesperce Pass	14D1	6575	32	28N	16E	1937	4	1
Skelkaho Summit	13C3	7259	30	6N	17W	1937	4	1

SASKATCHEWAN RIVER BASIN

Drainage Basin and Course Name	Montana Number	Elev.	Location Sec. Lat.	Location Twp.	Location Range Long.	Record Began	Measuring Dates[a]	Measured By:[b]
ST. MARY RIVER								
Iceberg Lake	13A3	6000	48°-50'		113°-42'	1922	5	2,8
Piegan Pass #4	13A4	5000	48°-46'		113°-40'	1922	5	2,8
Piegan Pass #6	13A6	6500	48°-45'		113°-42'	1922	5	2,8
Mount Allen #7	13A7	7000	48°-44'		113°-40'	1922	5	2,8
Ptarmigan #8	13A8	5800	48°-50'		113°-42'	1922	5	2,8

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a. Numerals 1,2,3,4, and 5 refer to January 1, February 1, March 1, April 1, and May 1

b. Numerals refer to Agency that secures the snow survey as follows:

1. U.S. Forest Service
2. U.S. Geological Survey and U.S. Engineer Corps
3. Montana Power Company
4. U.S. Indian Service
5. National Park Service
6. Montana Experiment Station
7. City of Bozeman
8. Dominion Water and Power Bureau
9. U.S. Fish and Wildlife Service
10. U.S. Bureau of Reclamation
11. Deerlodge Citizens Committee
12. Soil Conservation Service

5,R-11,464-A

STORAGE IN RESERVOIRS OF MONTANA, MARCH 1, 1952

MISSOURI RIVER BASIN

Reservoir Volumes in 10,000's acre feet

RESERVOIR	Location on or Diversion from	Usable Capacity	Contents This Yr. Mar. 1 1952	Contents Last Yr. Mar. 1 1951	Mar. 1 10-Year Average 1941-1950
Lake Sewall	Missouri	37.8	18.9	19.3	30.3
Hauser Lake	Missouri	62.5	46.3	57.2	49.5
Ft. Peck Res.	Missouri	19,000.0	11,690.0	12,430.0	929.6
Ruby Res.	Ruby	38.8	--		
Willow Lake Res.	Willow Cr.	17.8			
Hebgen Lake	Madison River	345.0	264.4	230.8	237.5
Ennis Lake	Madison River	41.0	35.1	35.2	35.0
Gibson Res.	N. Fk. Sun River	105.0	66.3	81.4	59.8
Willow Creek	N. Fk. Sun-Willow Cr.	32.3	24.0	23.8	12.2
Pishkun Res.	N. Fk. Sun River	32.0	23.3	18.9	17.4
Lower Two Medicine L.	Two Medicine River	14.0			
Four Horns Res.	Badger Creek	20.0			
Swift Reservoir	Birch Creek	30.0	23.1	28.1	22.2
Lake Francis Res.	Birch Creek	112.0	93.6	93.5	80.8
Ackley Lake	Judith River	5.8			
Durand Res.	N. Fk. Musselshell	7.0			
Dead Man Basin	Musselshell River	52.5			
Martinsdale Res.	So. Fk. Musselshell	23.1			
Fresno Res.	Milk River	127.2	90.3	65.9	44.4
Nelson Res.	Milk River	66.8	38.5	15.7	29.2
Mystic Lake	W. Rosebud Creek	20.8	8.2	8.7	8.8
Cooney Res.	Red Lodge Creek	27.5			
Tongue Res.	Tongue River	73.9			
Sherburne Lake Res.	Swiftcurrent Creek	66.1	18.3	8.4	9.9
YELLOWSTONE RIVER BASIN (Wyoming)					
Buffalo Bill	Shoshone	456.6	237.0	295.6	269.9
Boysen Res.	Wind River	819.8	122.0		
Pilot Butte	Wind River	30.1	9.3	8.4	14.3
Bull Lake	Wind River	155.0	66.6	89.5	54.4
COLUMBIA RIVER BASIN					
Georgetown Lake	Flint Creek	31.0	23.4	23.0	23.2
E. Fk. Rock Cr. Res.	E. Fk. Rock Creek	16.0			
Nevada Creek Res.	Nevada Creek	12.6			
W. Fk. Bitterroot Res.	W. Fk. Bitterroot	31.7			
Como Lake	Rock Creek	34.8	12.6	19.9	11.9
Hungry Horse Res.	So. Fk. Flathead	3,000.0	67.8		
Lower Jocko Lake	Jocko Cr.	7.6			
Flathead Lake (Sommers)	Flathead River	1,791.0	730.1	920.7	696.0
Little Bitterroot	Little Bitterroot*	36.1	36.1	34.8	11.6
Dry Fk. Res.	Dry Fork Creek*	6.7	4.1	4.4	1.9
Mission Valley Res.	Mission Valley(Flathead)	98.6	34.6	49.8	35.3

*Comprise two reservoirs on Dry Creek

*Comprise two reservoirs on Little Bitterroot River

**Comprise eight small reservoirs on Mission Valley Project Indian Reclamation Service

PRECIPITATION DATA FOR MARCH 1, 1952
MONTANA

Station	Elevation	1951 Precipitation			1952		1952	Accumulated Precipitation		
		Oct.	Nov.	Dec.	Jan.	Feb.	Dept. from Normal	1951-52	Normal	Departure
WEST OF DIVIDE										
							*			*
Fortine	3000	3.63	.92	2.49	1.39	0.79	-.33	9.22	6.84	2.38
Butte (Airport)	5533	0.96	.40	1.18	.29	0.85	.41	3.68	2.49	.19
Phillipsburg	5280	.63	.66	2.12	.26	0.98	.21	4.65	4.05	.60
Hamilton	3529	1.14	.77	1.41	.31	0.94	.19	4.57	3.97	.60
West Glacier	3154	4.92	2.25	4.25	2.51	1.29	-.84	15.22	13.45	1.77
Summit (Marias)	5213	6.20	3.20	4.65	4.35	2.15	-.42	20.55	14.26	6.29
Ovando 1 SW	4101	1.57	1.37	2.08	.71	0.93	-.42	6.66	7.45	- .79
Trout Creek	2485	6.50	3.11	4.74	3.81	2.30	-.55	20.46	16.72	3.74
Thompson Falls	2435	3.29	2.16	1.89	.82	1.17	-.22	9.33	9.64	- .31
Average (8)		3.15	1.74	2.79	1.63	1.27	-.22	10.47	8.76	+1.71
CENTRAL DIVISION										
Babb	4300	2.91	.24	1.49	.25	0.89	.07	5.78	4.87	.91
Havre	2488	1.00	.25	1.02	.42	0.81	.31	3.50	3.12	.38
Great Falls (Airport)	3664	1.72	.41	1.06	.34	1.63	1.06	5.16	3.37	1.79
Helena (Airport)	3893	.79	.31	1.08	.15	0.56	.17	2.89	2.48	.41
Lewistown (Airport)	4132	1.68	.67	1.50	.39	0.78	.01	5.02	2.27	2.75
Livingston	4485	3.74	.48	1.05	1.08	1.00	.46	7.00	3.65	3.35
Wisdom	6058	1.74	.57	1.50	.19	1.06	.53	4.79	3.75	1.04
West Yellowstone	6669	3.66	1.66	3.83	3.34	1.75	- .71	14.24	10.50	3.74
Mystic Lake	6558	3.58	.75	1.66	1.22	1.30	.22	8.51	6.68	1.83
Average (9)		2.21	.59	1.53	.85	1.09	.24	6.32	4.52	+1.80
EASTERN DIVISION										
Malta	2255	.92	.03	.46	.41	0.69	.32	2.51	2.44	.07
Ft. Peck	2180	.53	.27	.55	.17	1.06	.79	2.58	2.15	.43
Medicine Lake	1962	.49	.07	.27	.22	0.48	.16	1.53	1.99	.46
Circle	2428	.73	.22	-	-	--	-	--	--	-
Billings #2	3139	.86	.16	.55	.19	0.48	.06	2.24	3.60	-1.36
Miles City	2392	.69	.46	1.14	.42	0.92	.43	3.63	3.25	.38
Glendive	2076	.63	.38	.60	.25	1.23	.81	3.09	2.75	.34
Broadus	3026	1.78	.64	.79	.14	0.63	.22	3.98	3.04	.94
Average (8)		.83	.28	.62	.27	.78	.36	2.79	2.74	+0.05

*Note: Figures without a minus sign (-) are plus

PRECIPITATION DATA FOR MARCH 1, 1952
NORTHERN WYOMING

Station	Elevation	1951 Precipitation			1952		1952 Dept. from Normal	Accumulated Precipitation		
		Oct.	Nov.	Dec.	Jan.	Feb.		1951-52	Normal	Departure
BIG HORN RIVER BASIN										
Cody	4984	1.14	0.39	0.30	0.30	0.35	+0.04	2.48	2.16	+0.32
Lovell	3825	1.09	0.12	0.39	0.22	0.17	-0.10	1.99	1.88	+0.11
Worland	4061	0.31	0.09	0.10	0.41	0.19	-0.06	1.10	1.93	-0.83
Sunshine 4 SW	6930	1.82	0.16	0.18	0.07					
Thermopolis	4336	0.93	0.28	0.29	0.13	1.13	+0.75	2.76	2.95	-0.19
Riverton	4954	0.67	0.09	0.25	0.05	0.47	+0.24	1.53	2.24	-0.71
Dubois	6917	0.24	0.12	0.53	0.35	0.38	-0.04	1.62	2.47	-0.85
Average		0.89	0.18	0.29	0.24	0.45	+0.09	1.91	2.27	-0.36
TONGUE RIVER BASIN										
Sheridan	4021	1.37	0.15	0.68	0.15	1.39	+0.69	3.74	3.89	-0.15
POWDER RIVER BASIN										
Arvada	3680	0.58	0.18	0.45	0.05	0.50	+0.17	1.76	2.61	-0.85
Metz Ranch	5280	0.95	0.11	0.19	0.12	0.30	-0.13	1.67	2.63	-0.96
Gillette	4542	1.06	0.50	0.40	0.40	0.50	+0.05	2.86	3.43	-0.57
Nine Mile Creek	5000	0.49	0.35	0.18	0.30	0.77	+0.47	2.09	2.50	-0.41
Mid West	4850	0.41	0.16	0.78	0.03	0.66	+0.16	2.04	3.31	-1.27
Average		0.70	0.26	0.40	0.15	0.46	+0.05	2.08	2.90	-0.82

* Note: Figures without a minus sign (-) are plus

MONTANA SNOW SURVEYS MARCH 1, 1952

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches) Mar. 1 1952	Past Records 1951	Past Records 1950	Past Records 1949	Average Data Mar. 1 Avg.	Average Data Mar. 1 %Avg.	Average on Apr. 1 Avg.	Average on Apr. 1 %Avg.	Years
JEFFERSON RIVER													
(Rock-Beaverhead)													
Lakeview Ridge	11E3	7400	Feb. 28	55	13.4	7.3	9.8	9.2	8.0	168	10.4	129	5
Lakeview Canyon	11E4	6930	Feb. 28	63	14.6	9.6	14.7	12.8	10.6	138	11.4	128	5
Limekiln	11E2	6950	Feb. 12	10	2.4	0.8	1.0	2.6	1.3				5
White Pine Ridge	11E1	8850	Feb. 12	27	6.6	3.0	5.0	6.0	4.7	185	4.5		5
*Kilgore	11E12	6200	Feb. 29	53	15.1	7.4	7.9	9.7	9.6	157	10.7	141	16
*Camp Creek	12E3	6800											
*Blue Ledge Mine	11E11	6700											
(Horse Prarie)													
Bloody Dick	13D10	7600	Feb. 16	41	11.0	13.2	8.5	13.9	10.6	104	13.1	84	5
Gold Stone	13D9	8100	Feb. 16	48	13.0	17.8	10.4	15.6	13.4	97	16.9	77	5
Lemhi Pass	13E1	7400	Feb. 14	38	11.0	9.4	5.4	7.9	8.0	138	11.2	99	5
Terrell Creek	13D12	6650	Feb. 13	22	4.6	6.6	3.0	4.8	4.2	110	4.8	96	5
Trail Creek	13E2	7090	Feb. 14	36	8.1	8.4	4.3	7.0	6.8	119	9.8	83	5
Selway Junction	13D11	6500	Feb. 13	34	8.2	9.8	5.4	8.8	7.0	117	9.8	84	5
(Big Hole)													
Big Hole Pass	13D3	7440	Feb. 17	58	17.6	19.0	12.2	20.0	15.9	111	19.7	89	5
Big Hole Pass(Below)	13D4	6900	Feb. 17	52	13.6	18.0	11.5	17.9	13.8	98	16.2	84	5
East Boundary	13D5	6700	Feb. 17	32	7.9	8.1	7.6	9.8	7.7	103	10.2	79	5
Jahnke Creek	13D8	7340	Feb. 16	40	10.4	12.4	7.7	13.6	10.0	104	12.1	85	5
Miner Forks	13D6	7300	Feb. 15	38	10.8	13.4	8.2	14.0	10.5	103	13.2	82	5
Miner Lake	13D7	6720	Feb. 15	31	7.6	8.1	5.8	9.4	7.4	103	8.4	90	8
(Wise River)													
Anderson Meadow	13D14	7000	Feb. 19	32	8.3	8.4	6.8	8.4	7.6	109	9.0	92	5
Elk Horn	13D15	8450	Feb. 27	38	9.5	10.4	7.1	12.2	7.6	125	9.2	103	18
Wise River	13D13	6300	Feb. 19	25	6.0	5.4	4.2	5.7	4.9	122	5.8	103	5
(Ruby River)													
Cottonwood	11E2	5900	Feb. 23	41	11.4	6.0	8.6	8.2	7.2	159	9.9	116	5
Cottonwood (Upper)	11E1	8400	Feb. 23	43	13.0	5.9	8.9	9.2	7.5	174	10.6	123	5
Flashlight	12D3	6950											
Tobacco Root	12D2	6900	Feb. 22	44	11.2	8.1	5.0	11.0	8.1	138	11.5	98	5
Vigilante	11D1	6125	Feb. 23	13	3.3	0.	0.	2.1	1.3	250	0.8		5

*Adjacent Basin

MONTANA SNOW SURVEYS MARCH 1, 1952

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches)								Years
					Mar. 1	Past Records			Average Data Mar. 1		Average on Apr. 1		
					1952	1951	1950	1949	Avg.	%Avg.	Avg.	%Avg.	
MADISON RIVER													
Hebgen	11E5	6550	Feb. 27	55	18.5	9.1	9.6	14.0	10.6	175	12.1	153	19
West Yellowstone	11E7	6700	Feb. 26	54	16.5	11.8	11.7	14.4	10.0	165	11.2	147	19
21-Mile	11E6	7150	Feb. 26	73	25.3	14.2	17.1	20.5	13.6	186	16.5	154	19
*Big Springs	11E9	6500	Feb. 26	86	31.0	18.8	20.4	26.4	17.7	175	20.5	151	17
*Island Park	11E10	3600	Feb. 26	75	26.4	12.9	17.3	21.8	13.9	190	15.4	171	17
*Valley View	11E8	6500	Feb. 27	70	23.8	10.3	15.3	17.3	12.2	195	14.6	163	8
Norris Basin	10E2	7500											
GALLATIN RIVER													
Devil's Slide	10D4	8100	Mar. 1	66	20.5	14.8	12.9	18.1	15.0	138	19.8	104	18
Hood Meadow	10D3	6600	Mar. 1	41	10.3	6.6	4.3	8.4	6.4	160	8.4	123	18
Mystic Lake	10D2	6600											
New World	10D1	6700	Feb. 23	40	10.4	7.2	5.3	11.2	8.5	123	10.0	104	11
21-Mile	11E6	7150	Feb. 26	73	25.3	14.2	17.1	20.5	13.6	186	16.5	154	19
MISSOURI RIVER MAIN STEM													
Chessman Reservoir	12C5	6200	Mar. 1	23	5.7	3.1	3.4	7.1	4.3	133	4.6	124	17
Crystal Lake	9C1	6100	Mar. 2	53	14.4	7.5	5.3	15.1	10.0	140	12.0	120	12
Grasshopper	10C2	7000											
Kings Hill	10C1	7950	Feb. 26	47	14.1	9.9	12.0	15.1	10.2	138	13.2	107	19
Picnic Grounds	13C6	6500	Mar. 1	26	6.2	5.0	2.5	6.3	3.9	160	4.2	148	8
Pipestone Pass	12D1	7200	Feb. 29	30	4.9	5.3	1.8	6.8	4.1	120	5.7	86	15
Stemple Pass	12C1	6900	Feb. 28	47	12.0	9.1	8.2	12.1	8.0	150	9.5	126	19
Tenmile, Lower	12C2	6250	Mar. 2	31	7.2	6.6	5.4	8.1	5.6	129	6.4	113	18
Tenmile, Middle	12C3	6800	Mar. 3	40	10.1	9.7	8.4	11.2	8.2	124	10.3	98	19
Tenmile, Upper	12C4	8000	Mar. 3	45	12.9	12.9	10.6	13.2	10.5	122	13.2	98	18
(Teton River)													
Fright Creek	12A1	6000	Feb. 27	44	14.0	18.6	18.2	15.3	16.1	87	19.0	74	5
Waldron Creek	12B2	5600	Feb. 26	22	5.9	8.7	9.6	6.8	7.4	80	8.9	66	5
West Fork	12B1	6000	Feb. 26	35	11.4	19.6	16.8	16.6	15.7	73	19.8	58	5

* Adjacent Basin

MONTANA SNOW SURVEYS MARCH 1, 1952

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Mar. 1 1952	Water Content (Inches)							Years
						Past Records			Average Data Mar. 1		Average on Apr. 1		
						1951	1950	1949	Avg.	%Avg.	Avg.	%Avg.	
(Sun River)													
Benchmark	12B8	5500	Feb. 25	32	10.1	10.0	10.5	9.0	9.1	111	11.6	87	5
Cabin Creek	12B6	5400	Feb. 26	28	6.8	7.8	7.2	6.2	7.1	96	7.9	86	4
5-Bull	12B9	5600	Feb. 25	24	6.5	7.7	7.8	6.9	7.5	87	9.0	72	5
Gates Park	12B5	5300	Feb. 27	37	10.5	11.5	10.8	9.8	10.7	98	12.1	87	4
Goat Mountain	12B7	7000	Feb. 28	46	11.2	11.9	13.2	11.2	8.5	132	10.0	112	19
My Lake	13B9	7300	Mar. 1	Not measured									
Wrong Ridge	12B3	6800	Feb. 29	55	19.3	21.0	26.0	20.9	22.6	86	25.7	76	4
Wrong Creek	12B4	5700	Feb. 29	45	14.3	16.4	17.6	14.4	16.1	89	17.8	81	4
(Marias River)													
Marias Pass	12B5	5250	Feb. 28	56	18.6	20.2	24.3	20.5	14.8	126	17.5	107	19
(Milk River)													
Rocky Boy	9A1	5200	Mar. 1	30	6.6	2.9	3.5	4.4	4.6	143	5.5	120	12
UPPER YELLOWSTONE													
Camp Senia	9D1	7890			xx								
Canyon	10E3	7750	Feb. 29	58	16.2	14.0	14.1	13.4	13.2	123	16.5	98	7
Cooke City	10D7	7400	Mar. 1	35	9.3	7.7	5.8	9.3	6.5	143	7.6	122	16
Crevice Mt.	10D5	8400	Mar. 2	42	11.7	7.1	7.5	11.4	8.1	145	9.8	120	14
Independence	10D6	8000											
Lake Camp	10E4	7850	Feb. 29	46	12.8	8.8	10.1	12.5	8.2	156	9.3	138	16
Lodgepole, Wyoming	9E1	8200											
Lupine	10E1	7300	Feb. 29	46	13.7	7.1	9.2	13.3	8.1	169	9.8	141	14
*Lewis Lake Divide	10E9	7000	Feb. 26	122	45.8	42.2	45.4	47.3	38.1	121	51.8	89	34
*Astor Creek	10E8	7700	Feb. 26	99	34.5	31.9	31.8	30.7	25.4	136	27.5	125	10
*Tom Thumb Summit	10E7	7900	Feb. 26	74	25.5	21.0	24.5	23.3	22.1	115	25.0	102	5
(Shields River)													
Porcupine	10C3	9200	Feb. 29	30	8.8	3.5	3.4	8.0	4.4	200	4.7	187	14

xxAll time high
* Adjacent Basin

MONTANA SNOW SURVEYS MARCH 1, 1952

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches)								Years
					Mar. 1 1952	Past Records			Average Data Mar. 1		Average on Apr. 1		
						1951	1950	1949	Avg.	%Avg.	Avg.	%Avg.	
LOWER YELLOWSTONE													
(Wind River - above Div. Dam)													
Brooks Lake #3	10F2	9200	Feb. 29	74	25.1	29.6	27.2	24.9	20.0	125	24.3	103	16
Burroughs Creek	9F6	8800	Feb. 29	41	10.5	23.0	16.0	13.5	17.5	60	20.1	52	4
Du Noir	9F2	8750	Feb. 28	30	6.6	10.5	11.6	9.4	9.6	70	10.5	63	12
Geyser Creek	9F3	8500	Mar. 1	29	6.8	11.3	10.1	8.4	9.9	69	11.4	60	4
Little Warm	9F4	9500	Mar. 1	54	15.0	24.3	21.4	16.2	20.6	73	24.5	61	4
Sheridan	9F1	7500	Feb. 28	31	7.3	11.6	7.6	10.0	6.5	112	7.2	102	16
T-Cross Ranch	9F5	8000	Feb. 29	22	4.9	11.2	7.0	7.9	6.5	75	6.2	79	12
*Togwotee Pass	9F1	9600	Mar. 3	78	25.9	32.4	-	-	28.9	90	28.7	91	3
Dinwoodie	9F10	10000	Mar. 2	44	12.2	17.5	14.5	10.6	14.2	86	18.1	68	4
Dry Creek	9F9	9500	Mar. 2	27	5.9	8.6	9.0	5.9	7.8	76	10.1	58	4
Hobbs Park	9G2	10000	Feb. 25	60	19.7	16.4	23.7	19.7	19.9	99	23.8	83	4
Mosquito Park	9G3	9500	Feb. 25	34	7.9	5.8	9.8	10.0	7.3	108	9.1	87	9
St. Lawrence	9F11	9000	Feb. 27	30	8.1	4.5	7.8	8.7	6.1	133	8.0	101	9
Trout Creek	9G1	8400	Feb. 25	28	6.6	2.9	4.5	9.0	5.5	120	6.1	108	4
*Kendall	9F12	7900	Mar. 1	35	9.2	14.8	--	12.5	10.5	88	11.2	82	9
*Loomis Park	10F5	8500	Mar. 1	56	17.1	22.0	--	17.6	14.6	117	10.5	104	9
*Black Rock	10F3	8600	Mar. 3	65	19.8	25.8	--	--	22.6	88	21.6	92	
*Yellow Jacket	10F5	6775											
POPO AGIE RIVER													
Blue Ridge	8G2	9500	Feb. 23	50	14.5	10.4	15.6	16.4	9.5	170	11.4	127	13
Grannier Meadows	8G4	9000	Feb. 23	56	16.6	13.5	17.4	16.3	11.2	148	12.3	135	16
Larsen Creek	9G4	9000	Mar. 1	38	9.5	15.7	17.3	13.1	15.4	62	18.4	52	4
Sawmill Glade	8G1	8500	Feb. 23	34	8.0	4.2	8.1	10.2	6.1	131	7.6	105	13
South Pass	8G3	9000	Feb. 23	54	16.8	13.8	18.0	15.9	11.1	151	13.9	121	13
MULLIGAN PARK	9G5	8900	Mar. 1	38	10.2	15.7	11.7	10.6	10.0	102	10.5	98	11
Dutch Joe	9C6	8700	Mar. 1	38	9.4	--	--	--	--	--	6.9	136	1

*Adjacent Basin

MONTANA SNOW SURVEYS MARCH 1, 1952

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches) Mar. 1 1952	Past Records			Average Data Mar. 1		Average on Apr. 1		Years
						1951	1950	1949	Avg.	%Avg.	Avg.	%Avg.	
BIG HORN RIVER (Wyoming)													
Beavers Mill	9F8	8000	Mar. 3	31	5.8	8.1	7.7	6.9	7.1	82	8.6	67	4
Owl Creek	8F1	8700	Mar. 2	28	5.5	5.5	5.8	6.0	5.7	97	6.7	82	4
Timber Creek	9E2	9000	Mar. 4	22	5.5	5.8	4.1	7.5	5.7	97	5.6	99	4
Wood River	9E7	8000	Mar. 5	18	5.2	---	--	--	--	--	5.7	91	10
SHOSHONE RIVER													
East Entrance	10E6	7000	Feb. 29	44	13.0	5.8	9.6	14.4	9.9	131	14.6	89	4
Sylvan Pass	10E5	7100	Feb. 29	47	14.5	15.0	14.5	15.7	13.1	111	14.3	102	10
TONGUE RIVER													
Burgess Junction	7E4	7900	Mar. 4	37	10.3	11.2	--	--	--	--	--	--	2
Big Goose	7E2	7700	Mar. 4	22	4.6	2.2	--	--	--	--	4.3	107	16
Dome Lake	7E5	9000	Mar. 5	26	5.6	4.4	--	--	5.1	110	6.6	85	3
POWDER RIVER													
North Powder	7E8	8500	Mar. 4	35	7.4	6.2	--	--	6.8	109	8.8	84	2
Soldier Park	7E6	8700	Mar. 4	19	3.6	4.1	--	--	3.8	95	5.2	70	2
CHEYENNE RIVER (South Dakota)													
Upper Spearfish	1 S. D.	6500	Feb. 27	30	8.4	2.0	2.8	9.4	5.1	168	6.6	130	9

MONTANA SNOW SURVEYS MARCH 1, 1952

COLUMBIA BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches) Mar. 1 1952	Past Records 1951	Past Records 1950	Past Records 1949	Average Data Mar. 1 Avg.	Average Data Mar. 1 %Avg.	Average on Apr. 1 Avg.	Average on Apr. 1 %Avg.	Years
KOOTENAI													
Brush Creek	14A4	5000	Feb. 29	43	11.9	11.0	14.0	17.0	13.3	90	12.0	99	6
Fernie	Canada	3500	Feb. 28	30	9.5	10.3	10.2	9.3	7.6	125	7.8	122	14
New Fernie	Canada	4100	Feb. 27	46	13.9	14.3	--	--	--	--	-	-	2
Fernie Ridge	Canada		Feb. 27	67	22.1	--	--	--	--	--	-	-	1
Ferguson	Canada	3000	Feb. 29	48	15.5	--	--	--	--	--	19.5	80	1
Kimberley	Canada	3800	Mar. 1	33	9.0	10.4	9.2	7.2	6.3	125	5.3	173	12
Marble Canyon	Canada	5000	Feb. 29	48	13.6	22.6	14.9	12.0	14.9	92	15.0	91	6
Nelson Creek	Canada	3050	Feb. 29	52	18.1	16.9	13.3	20.2	12.8	---	13.5	---	13
Red Mt. Montana	15A1	6000	Feb. 29	56	16.7	19.9	20.2	18.7	15.7	106	18.4	91	16
Sinclair Pass	Canada	4500	Feb. 29	24	5.6	9.3	6.0	3.7	5.4	104	4.9	114	7
Smith Creek	16A1	4800											
Sullivan Mine	Canada	5100	Mar. 1	49	16.1	15.9	15.6	12.7	12.9	125	16.2	99	7
Upper Elk River	Canada	4400	Mar. 1	28	6.4	10.3	9.6	8.0	9.1	71	9.5	68	5
BITTERROOT													
Gibbons Pass	13D2	7100	Feb. 28	75	25.6	23.8	25.2	26.2	17.7	144	22.8	112	20
UPPER CLARK FORK													
Coyote Hill	13B11	4200	Feb. 28	43	13.7	--	--	--	--	--	--	--	1
Chessman Res.	12C5	6200	Mar. 1	23	5.7	3.1	3.4	7.1	4.3	133	4.6	124	17
Intergaard	13C4	6450	Feb. 29	31	8.4	8.1	5.9	10.6	5.8	140	8.3	98	17
North Fork Jocko	13B7	6330	Mar. 1	104	37.4	40.0	45.0	37.4	35.8	105	39.6	95	12
Pipestone Pass	12D1	7200	Feb. 29	30	4.9	5.3	1.8	6.9	4.1	120	5.7	96	15

MONTANA SNOW SURVEYS MARCH 1, 1952

COLUMBIA BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev.	Date of Survey 1952	Snow Depth (In.) 1952	Water Content (Inches)								Years
						Past Records			Average Data Mar. 1		Average on Apr. 1		
					Mar. 1 1952	1951	1950	1949	Avg.	%Avg.	Avg.	%Avg.	
UPPER CLARK FORK (cont'd)													
Rainy Lake	13B6	4200	Feb. 28	50	14.5	4.3	13.6	14.3	10.3	140	11.9	122	6
Stemple Pass	13C1	6900	Feb. 28	47	12.0	9.1	8.2	12.1	8.0	150	9.5	126	19
Stuart Mill	13C6	6500	Feb. 29	31	7.4	6.2	5.5	8.9	4.9	151	6.7	110	17
Picnic Grounds	12C6	6500	Mar. 1	26	6.2	5.0	2.5	6.3	3.9	160	4.2	148	8
Southern Cross	13C5	6500	Feb. 29	34	9.1	5.5	2.6	6.4	4.3	212	5.0	181	17
Tenmile, Lower	12C2	6250	Mar. 2	31	7.2	6.6	5.4	8.1	5.6	129	6.4	113	18
Tenmile, Middle	12C3	6800	Mar. 3	40	10.1	9.7	8.4	11.2	8.2	124	10.3	98	19
Tenmile, Upper	12C4	8000	Mar. 3	45	12.9	12.9	10.6	13.2	10.5	122	13.2	98	18
*Lookout	15B2	5250											
FLATHEAD RIVER													
Big Creek	13B3	6750	Mar. 4	114	40.4	37.6	38.7	35.0	34.9	116	40.1	101	12
Brush Creek	14A4	5000	Feb. 29	43	11.9	11.0	14.0	17.0	13.3	90	12.0	99	6
Desert Mountain	13A2	5600	Feb. 29	52	16.1	15.4	16.8	--	12.9	125	15.2	106	9
Hell Roaring Divide	14A3	5700	Feb. 29	83	28.6	26.7	--	--	30.4	94	29.5	97	3
Limestone Pass	13B8	7600	Mar. 1	95	31.1	40.8	48.8	40.5	39.2	80	48.9	64	5
Logan Creek	14A5	4300	Feb. 28	36	8.1	7.8	9.1	10.4	8.9	91	8.0	101	6
Marias Pass	13A5	5250	Feb. 28	56	18.6	20.2	24.3	20.5	14.8	126	17.5	107	19
North Fork Jocko	13B7	6330	Mar. 1	104	37.4	40.0	45.0	37.4	35.8	105	39.6	95	12
Rainy Lake	13B6	4300	Feb. 28	50	14.5	4.3	13.6	14.3	10.3	140	11.9	122	6
Spotted Bear Mt.	13B2	7000	Feb. 29	59	15.6	12.5	7.5	19.3	17.4	90	17.2	91	5
Trout Lake #2	13A12	3600	Mar. 4	55	17.3	23.7	20.7	14.4	19.6	89	20.4	85	4
Basin Creek	13B14	5000	Mar. 1	35	10.7	9.5	--	--	--	--	--	--	2
Holbrook	13B13	4530	Mar. 1	37	11.1	9.0	--	--	--	--	--	--	2
Quintonkon	13A13	3800	Mar. 4	53	17.8	12.9	--	--	--	--	--	--	2
Twin Creeks	13B11	3580	Feb. 28	41	12.7	10.7	--	--	11.7	--	--	--	2

*Adjacent Basin

Federal - State - Private

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